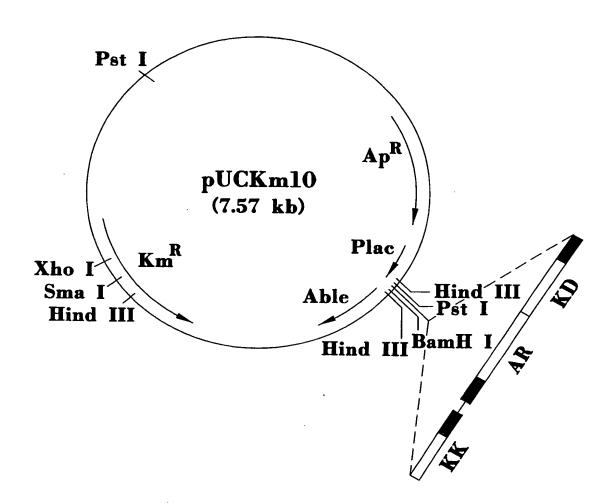
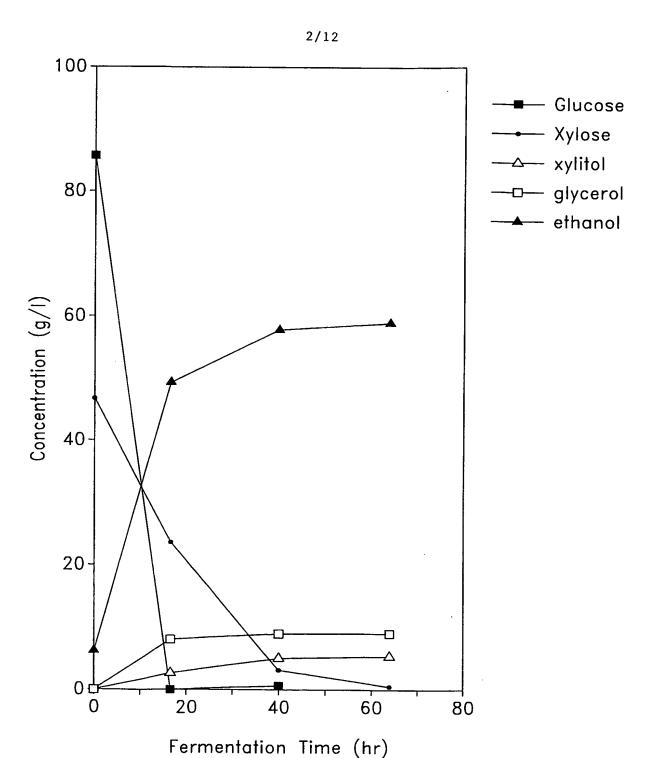


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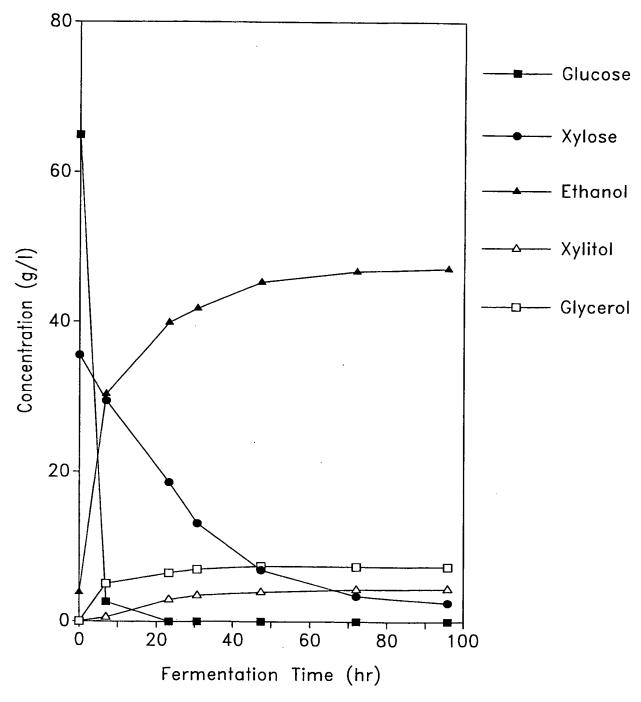
pLNH31, pLNH32, pLNH33, or pLNH 34 Fig. 1



Fermentation of Glucose and Xylose by LNH32

Fig. 2

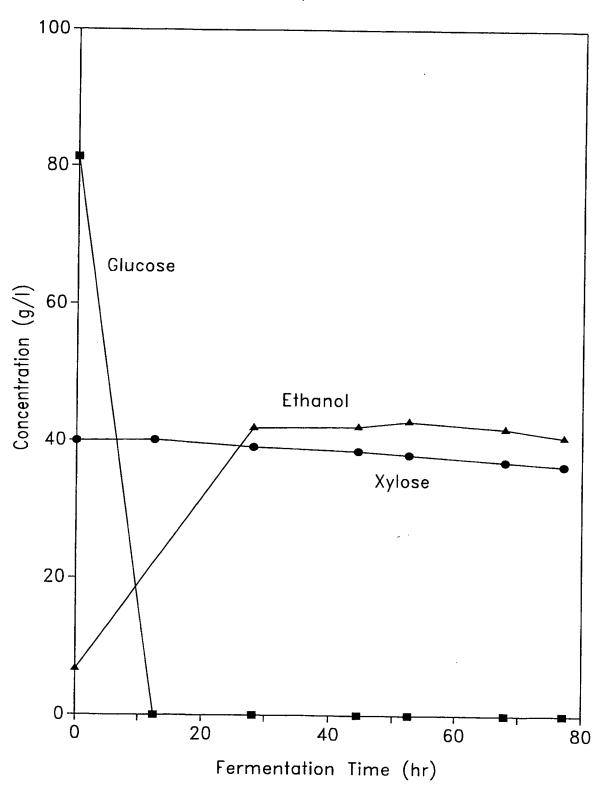
Had that that the test that



Simultaneous Fermentation of Glucose and Xylose by Recombinant Saccharomyces LNH33

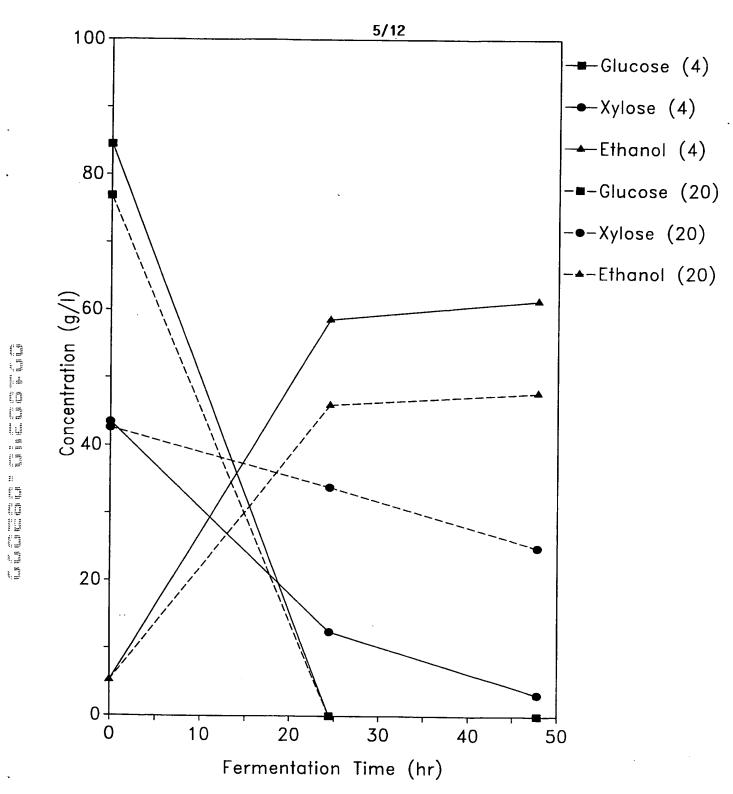
Fig. 3

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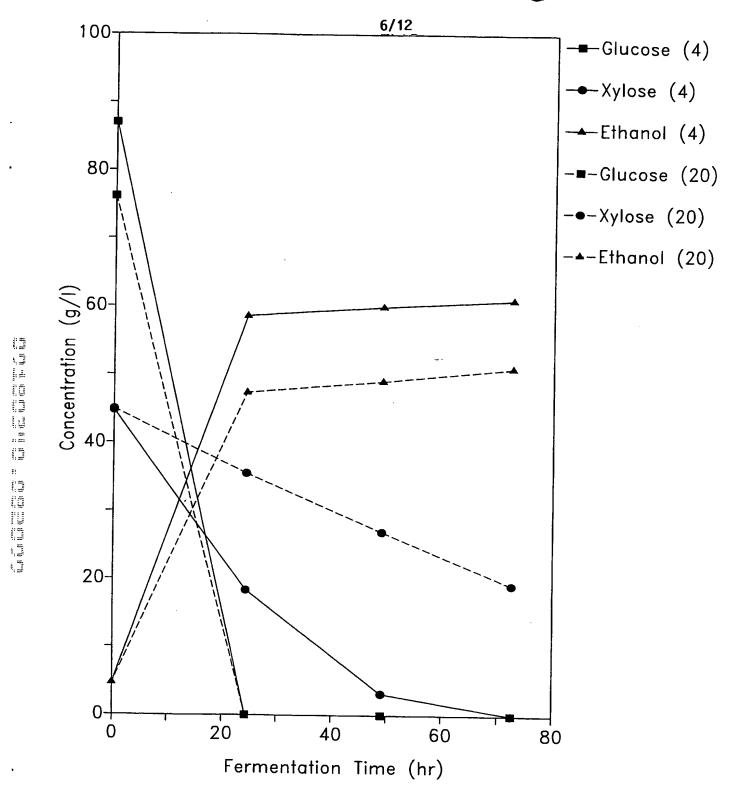
Fermentation of Glucose and Xylose by the Un-Engineered Parent 1400 Saccharomyces Yeast

Fig. 4



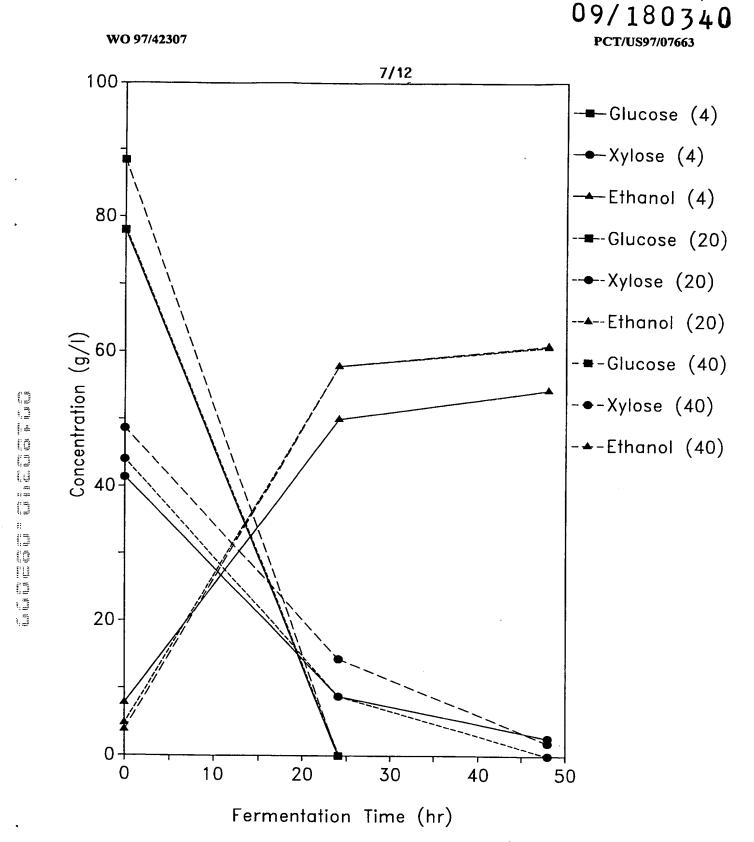
Fermentation of glucose and xylose by LNH32 after being cultured for 4 and 20 generarions in non-selective (glucose) medium.

 $Fig.\,\,5$ SUBSTITUTE SHEET (RULE 20)



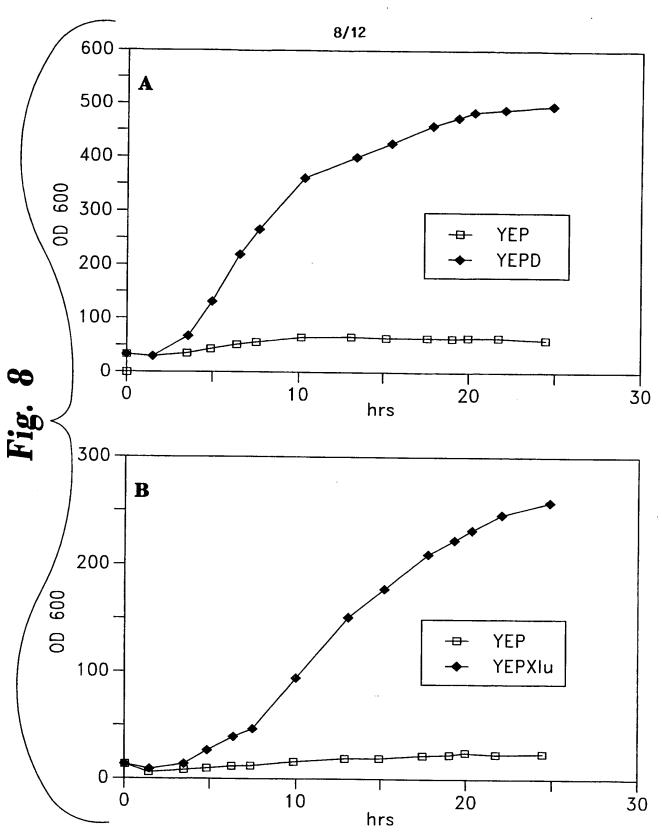
Fermentation of glucose and xylose by LNH33 after being cultured for 4 and 20 generations in non-selective (glucose) medium.

Fig. 6
SUBSTITUTE SHEET (RULE 26)

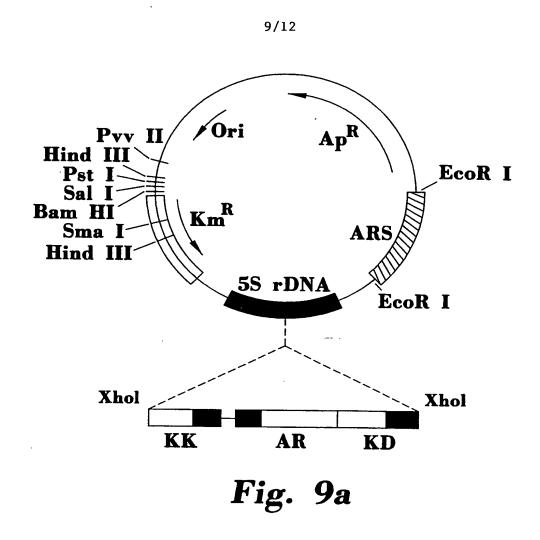


Fermentation of glucose and xylose by LNH-ST(1) after being cultured for 4, 20, and 40 generations in non-selective (glucose) medium.

Fig. 7
SUBSTITUTE SHEET (RULE 28)



- (A) Yeast (S. <u>cerevisiae</u>) AH22 cultured in YEPD (1% yeast extracts, 2% peptone, 2% glucose or YEP (1% yeast extracts, 2% peptone).
- (B) Yeast AH22 cultured in YEPXIu (1% yeast extracts, 2% peptone, 2% xylulose) or YEP.



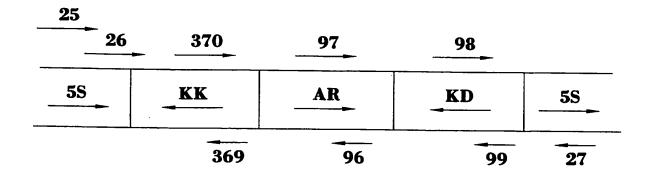
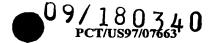
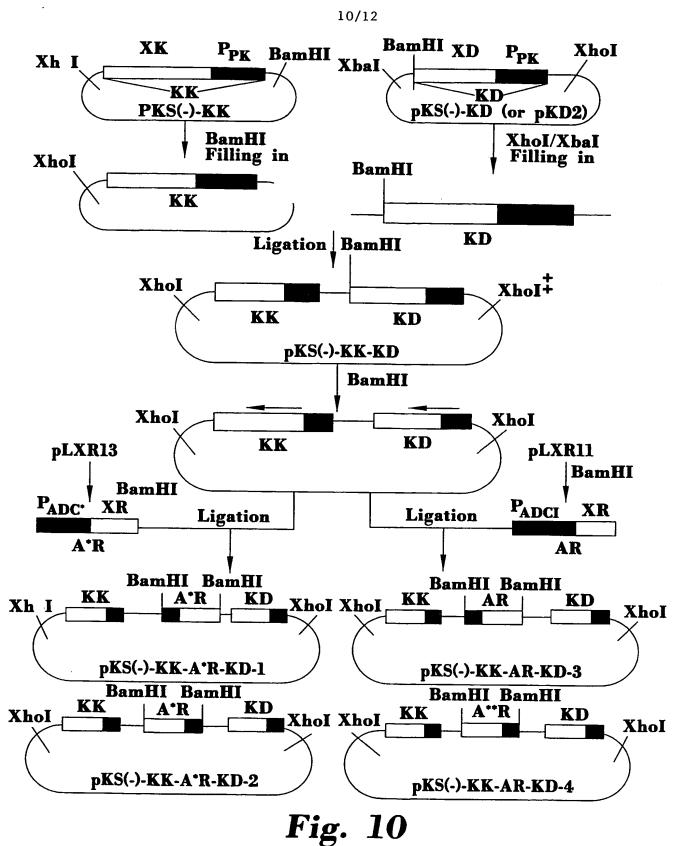


Fig. 9b Substitute sheet (Rule 20)



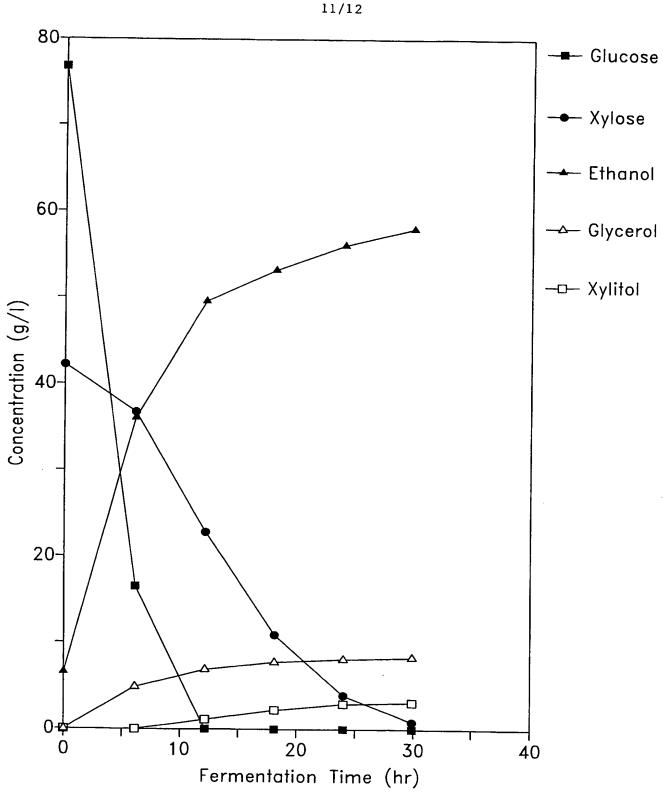


Construction of pKS(-)-KK-AR-KD plasmids

†The XhoI site was regenerated after ligation; *Intact ADC1 promoter; ** ADC1 promoter with TRP5 ribosomal binding site

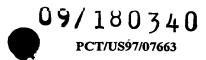
Just 11 Just 1914 Call De Ball Bull

U.S G.A G.B Brill All Brill



Recombinant Saccharomyces 1400(LNH-ST) for fermenting Glucose and Xylose

 $Fig. \ 11$ SUBSTITUTE SHEET (RULE 28)



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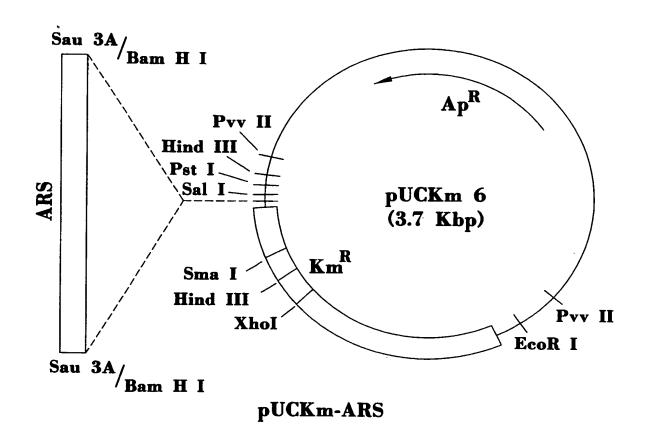


Fig. 12